





Alcon

Research & Development





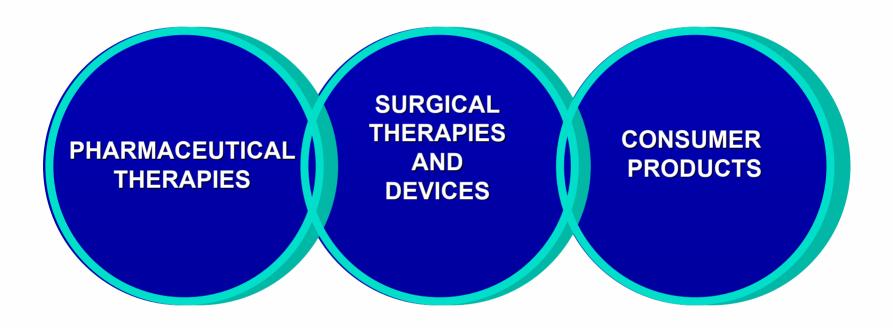


March 3, 2006

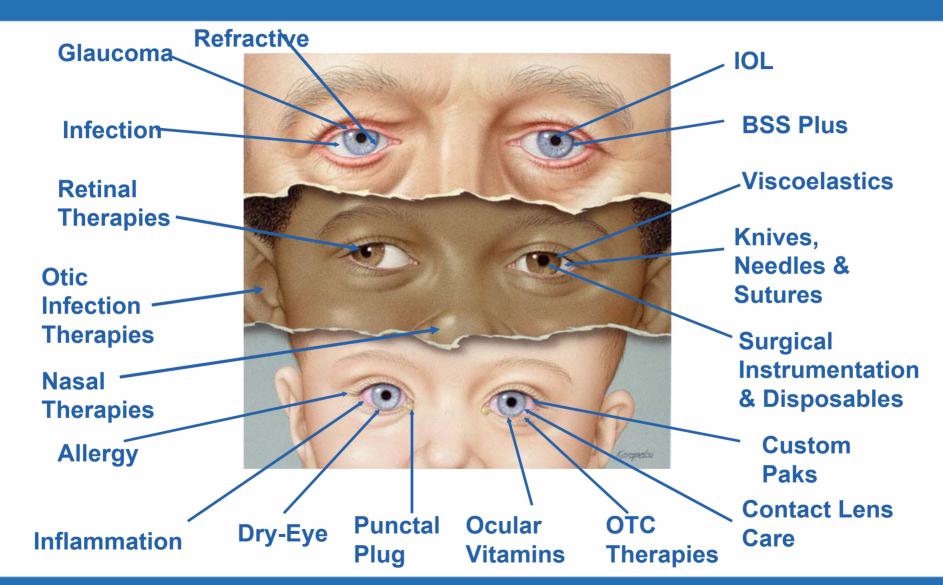
Jerry Cagle Scott Krueger Robert Stevens

R&D Areas of Experience





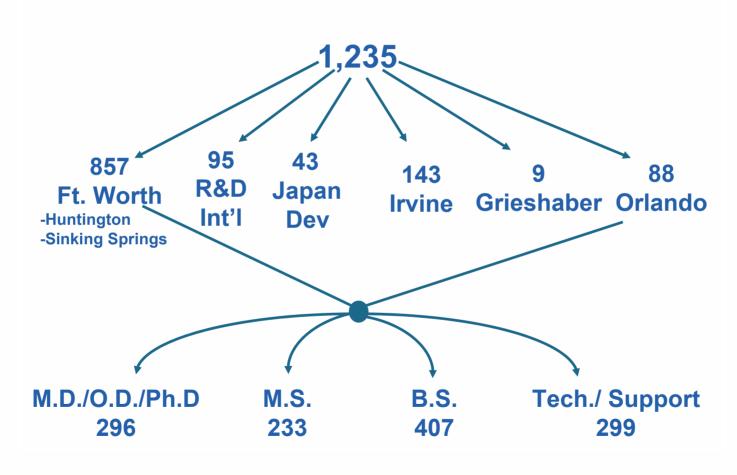
Alcon R&D Focus



Alcon'

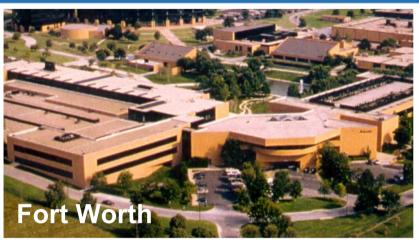
R & D Organization







Worldwide Ophthalmic R&D Sites









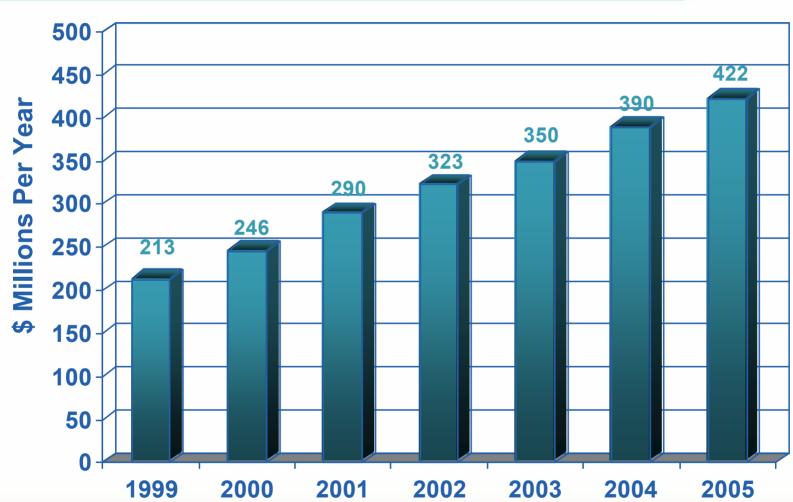
~1,200 Employees

Facilities in Texas, California, Florida, Spain ~ 250 Product Registrations/year Next 5 years = \$2.5 Billion in R&D



Commitment to R&D 1999-2005













Alcon[®] Scott Krueger







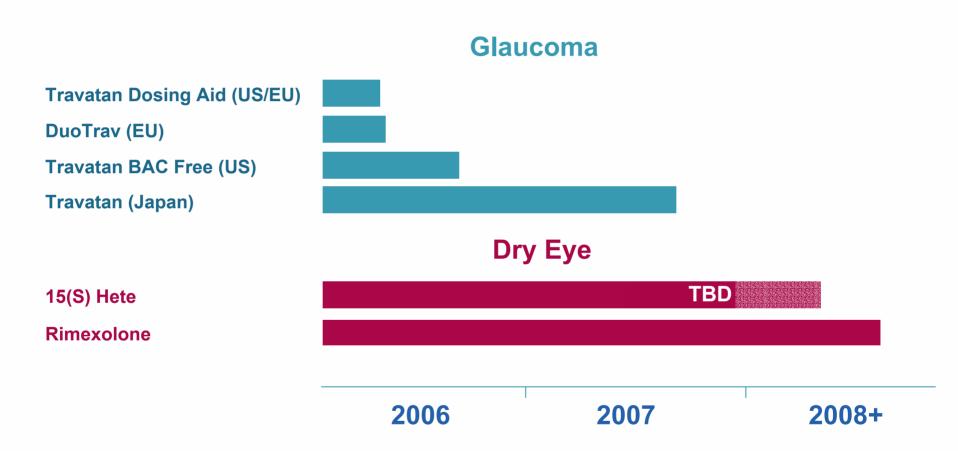
Agenda



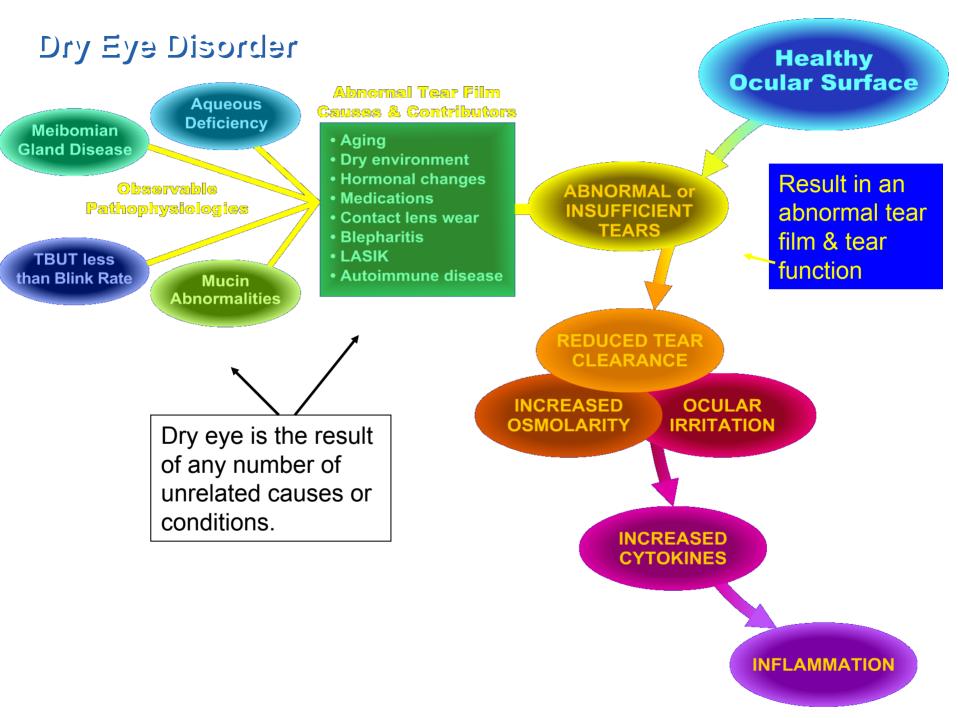
- Glaucoma
- Dry Eye
- Retaane
- Patanase
- Anti-infective/Anti-Inflammatory

Product Pipeline



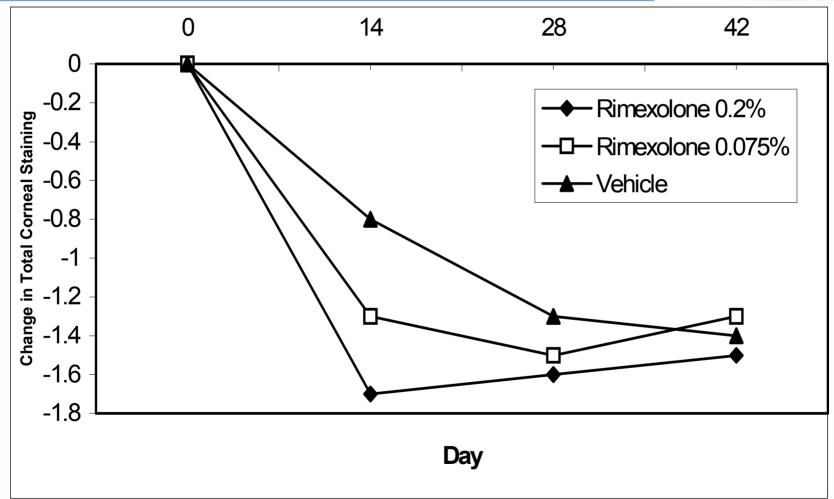






Rimexolone Change in Total Corneal Staining

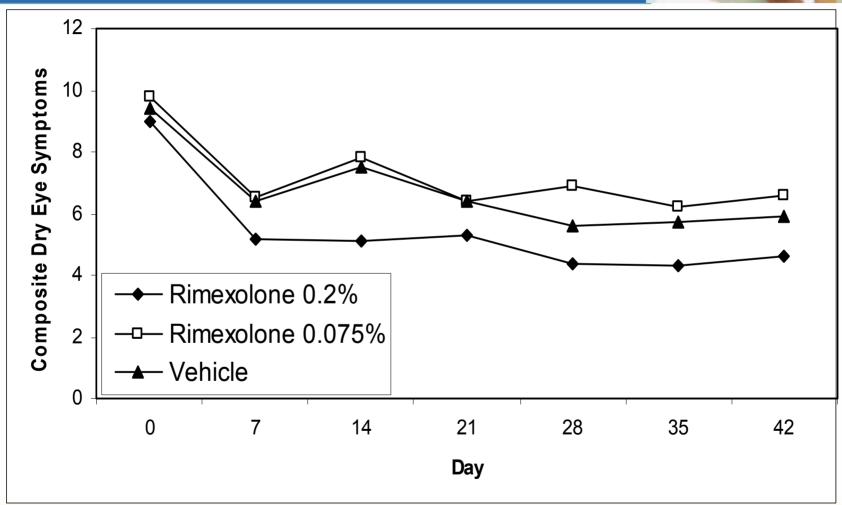






Rimexolone Composite Dry Eye Symptoms







Retaane Update



- Retaane approved in Australia 12/05
- US and EU request additional data from ongoing or new studies
- Studies in progress and planned
 - IDEAA dose regimen study
 - NEI study with monclonal antibody VEGF inhibitor
 - EU placebo controlled study
- AART Risk Reduction Study
 - Fully enrolled Jan 2006
 - 2596 patients
 - 4 year study



Patanase Update



- FDA requested reformulation of Patanase
 - Formulation issue unrelated to Patanol
- Met with FDA to discuss pathway forward
 - Very satisfied with efficacy
 - Ensure safety in expected broad use
- Next Steps
 - Reduce Inactive Ingredient
 - Clinical Studies
 - Amend NDA 2007

Product Pipeline



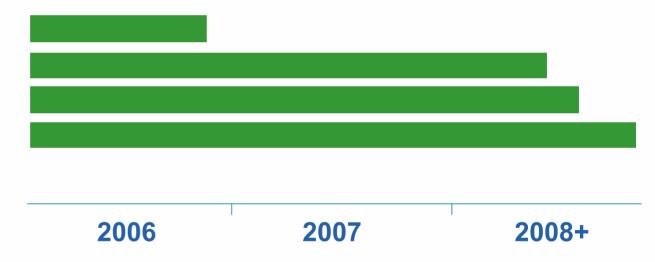
Anti-Infective/Anti-Inflammatory

Vigamox (Japan)

Moxifloxacin AF (US)

Moxidex Otic (US)

Moxidex Ophthalmic (US)











Alcon[®] Jerry Cagle







Alcon is Positioned for Long Term Success



- Diseases of the aging eye represent one of the last great areas of unmet medical need
- Favorable demographics
- Significant resources for drug discovery research
- Broad internal expertise in all areas
- Extensive relationships with institutional researchers

Glaucoma

- 1-4% of population over 40
- 67M patients worldwide, 5-6M in US
- 7M are bilaterally blind from glaucoma

Dry Eye

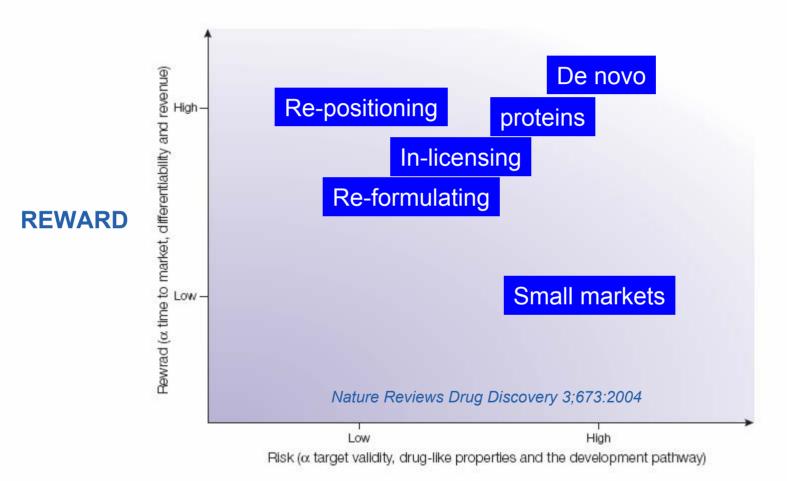
- Estimated 40-60M in US with dry eye
- 16M diagnosed; 39M undiagnosed
- Approx 7M are moderate to severe

Retinal Disease

- 39M patients in US, EU, Japan
- 26M with AMD: 22M Dry and 3M Wet
- 13M with Diabetic Retinopathy



A Strategic Advantage Mine all sources of pipeline compounds



RISK

Focused collaborations are increasingly important



- Allow us to partner with companies whose expertise complement ours
- Technology changes rapidly. Collaborations allow us to get what we need, when we need it, with little amortization.
- "Renting" versus "Buying" allows for greater flexibility in utilizing our resources

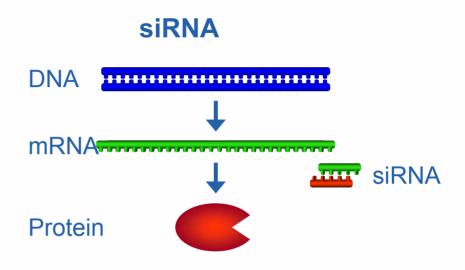
	Glaucoma	Retina	Allergy/Dry Eye
Dharmacon (CO)			
Albany Molecular (\	WA)		
Origenis AG			
Jerini AG			
Kalypsys (CA)			



Small Molecule Drugs vs. siRNA

Small Molecule Drugs DNA mRNA Protein Drug

- Binds to active site on protein
- Inhibit protein function directly
- 1 molecule of drug binds 1 receptor
- Relatively short duration (hours)
- May inhibit other proteins (side effects)
- Most protein structures are unknown
- Limited to "druggable" targets
- Chemical libraries are vast (106)



- Direct cleavage of mRNA
- Inhibit production of protein
- 1 siRNA can inhibit 1000 receptors
- Relatively long duration (weeks)
- Target specific
- Sequence of most human genes known
- All mRNAs are targetable
- ~1000 siRNAs/target; < 5% IC50 < 1 nM

Albany Molecular



We are searching for molecules that affect water movement into and out of cells.

Albany has expertise in natural products with the world's largest collection of natural product lead-finding libraries

A team of natural product experts with decades of experience in the field and working together

The ability to rapidly advance a natural product from hit to lead to qualified drug candidate

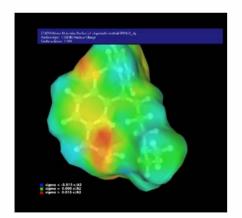
Origenis: Novel Chemistry Technology



- Conventional
 - Structure Based Design
 - Structures chosen based on what looks similar to parent
 - Multiple Step Synthesis

Origenis

- Electronic and Steric Field Based Design
- Structures chosen based on proprietary algorithm to select functionally similar "chemical genomics"
- Use of HT chemistry



R2

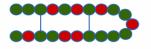
One vessel synthesis

Purification using mass triggered HPLC

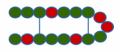
Jerini- ANP/CNP Jerini's P2D Process



1. Minimization of peptide



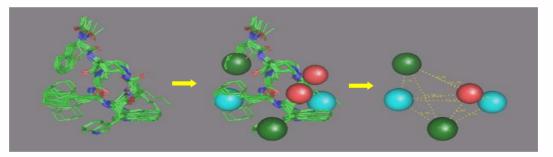








2. Generation of non-peptide drug



3. Proven successes

Bradykinin receptor antagonists Complement C5R

(BOTH are in clinical studies)



Kalypsys: A powerful de novo discovery engine

De Novo discovery requires increasingly expensive and rapidly changing technology, proprietary libraries for screening, and generous medicinal chemistry resources



Kalypsys: A powerful de novo discovery engine

The Kalypsys Early Lead Discovery Paradigm

2- 4 Weeks

8-10 Weeks

uHTS assay

uHTS assay in dose response (DR)
Profiling assays in DR
Early cell-based toxicity in DR
Database profiling
Preliminary FTO

Secondary assay(s) in DR

ADME profiling

Synthetic chemistry
Structural biology
DMPK
In vitro / In vivo pharmacology

Hit identification

Lead identification

Potency and efficacy

SAR development Lead quality assessment

Lead quality assessment

SAR optimization Lead quality assessment

Summary



- The Alcon Ophthalmology Discovery Pipeline is robust and strong
- We are not content. We continue to seek new pharmacophore opportunities worldwide regardless of the source







Alcon

Robert Stevens







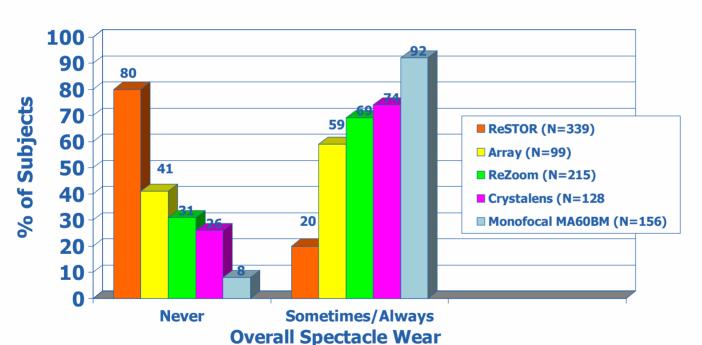
Surgical Products R&D Acrysof Franchise



- AcrySof® ReSTOR IOL
 - AcrySof ReSTOR Natural IQ
 - AcrySof ReSTOR Natural IQ Toric
- AcrySof® Toric
- Phakic Refractive IOL
- AcrySert® Delivery System

ReSTOR Apodized Diffractive IOL

- Novel, patented optical design
- Optic with apodized diffractive central zone unique optical design matches performance to vision needs



Physician experience greater than 90% spectacle independence with bilateral implantation

Patient satisfaction after 2nd eye - 97%

Comparative S&E data



Acrysof Toric Corneal Astigmatism

Corneal curvature is different in two meridians causing a defocused image



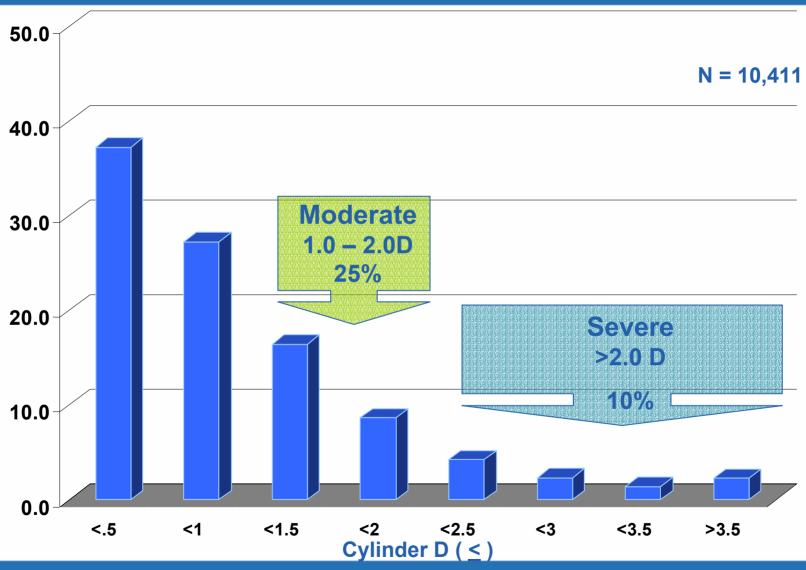








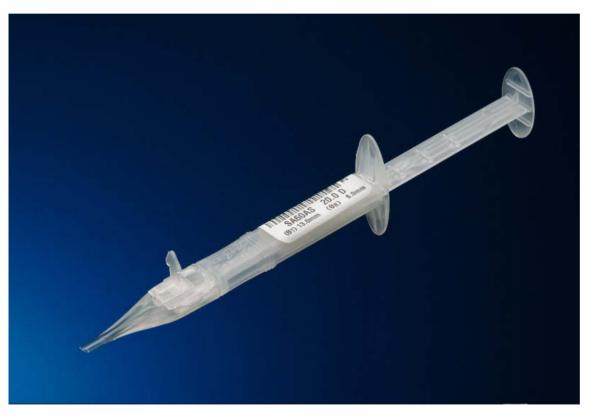
Cylinder Distribution

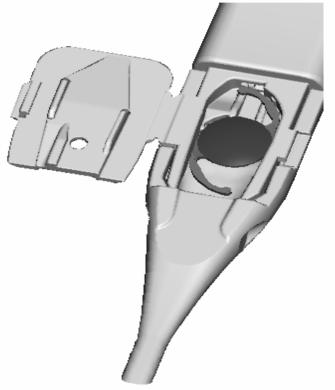




AcrySert® Delivery System Update





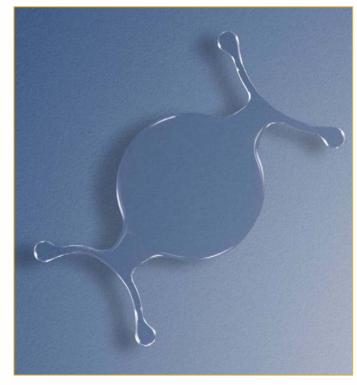


Product Specifications

6.0 mm Model



Model	OAL
L12500	12.5 mm
L13000/ RA6M13	13.0 mm
L13500/ RA6M35	13.5 mm
L14000/ RA6M14	14.0 mm



Dioptric Range: -6.0 D to -16.5 D



NGVS: Next Generation Vit System

- Power IV Pole
- Footswitch
- Venturi Fluidics
- Pneumatics Drivers
- Vit Cutters
- VFC Functionality
- Pak Strategy









- •U/S Performance
- Diathermy
- Phaco handpieces
- AquaLase
- •User Interface elements
- Footswitch
- •Remote Control
- Peristaltic Design Concept



- •Existing Infiniti handpieces,
- Accurus Cutters and accessories
- AGS Hand Instruments



- Flow control
- •RFID/Barcode Reader
- eConnectivity
- Heads Down Display
- Surgical Recording (DVD)
- Integrated Audio/Video
- Volumetric Injection
- Auto Stopcock









25 Ga VITRECTOMY PAK



•High flow infusion cannula

•AGS 25 ga DSP & 'G3'



LADAR6000

Development Strategy: Improve ease of use and overall reliability



Key Feature Enhancements

Improved Illumination

New Laser Engine

Improve Internal Software Linkages

High Speed Ablation

Assisted Registration

Undilated Eye Tracking



Product Pipeline



		IOLs	
AcrySof Natural (Approved US/EU)	Japan		
AcrySof ReSTOR (Approved US/EU)		Japan	
AcrySof Toric (Approved US/EU)			Japan
AcrySof ReSTOR Natural IQ	US/EU	Japan TBD	
AcrySof ReSTOR Natural IQ Toric			US/EU Japan TBD
Next Generation Laser (Vit/Ret) Next Generation Vit/Ret System	US/EU	strumentation US/EU	
LADAR 6000 (Refractive) High Speed Ablation (Approved EU) Assisted Registration	US US/EU		
Undilated Eye-Tracking	03/L0	US/EU	
	2006	2007	2008+



Introducing Systane Free

- No traditional Preservative
- But, Preserved in the Bottle
- And Preservative Free in the Eye
- Suitable for use day and night— Less blur than traditional Gels
- Comfort based on proven technology of recognized demulcents and HP-guar





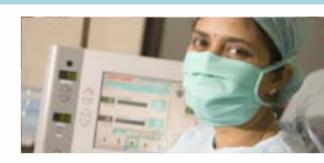
OPTI-FREE® RepleniSH™

- Compatible Disinfection
 - POLYQUAD® & ALDOX®
- Cleaning
 - Citrate
- Reconditioning
 - TEARGLYDE™









Alcon





